

CLS Homework #8 Notes and Common Errors

Homework Due: 22 March 2018

Problems Graded: 4.3.1, 4.3.5, and 4.4.1

- General Notes -

1. I hope you all have/had a wonderful Spring Break (pick the correct tense for whenever you are reading these notes)! Here are just a couple of quick things on this last homework.

- Problem 4.3.1 -

1. In the portion where we asked you whether you thought the Riemann sum would be an underestimate or overestimate, you needed to *justify* your answer. I wasn't looking for very much, but there needed to be something more than "I think it will be an underestimate."

- Problem 4.3.5 -

1. When we said "Calculate the Riemann sums," we wanted you to write them down.
2. Many people forgot that they were supposed to list the calculations that they did. Remember to read the question carefully.

- Problem 4.4.1 -

1. The main reason people lost points on this question was that they didn't try to draw what the shape looked like for part (b). I highly recommend that when you take integrals, you draw the graph first. If you had drawn the area that you are trying to calculate for

$$\int_2^{15} 3x \, dx,$$

you would have seen that the area that you were trying to find was the area of a trapezoid and not that of a triangle.